

Claims

- [c1] A fastener assembly for securing a valve cover to an engine head, comprising:
 - a threaded fastener having a head portion and a shaft portion;
 - a retention sleeve disposed about the threaded fastener;
 - and
 - a wave spring disposed about the retention sleeve;wherein the fastener assembly acoustically decouples the valve cover from the engine head.
- [c2] The fastener assembly according to Claim 1, wherein the wave spring has an inner diameter slightly larger than an outer diameter of the retention sleeve.
- [c3] The fastener assembly according to Claim 1, wherein the head portion of the threaded fastener includes a radially projecting collar.
- [c4] The fastener assembly according to Claim 1, wherein the retention sleeve includes an radially outwardly projecting head flange.
- [c5] The fastener assembly according to Claim 1, wherein the threaded fastener, the retention sleeve, and the wave

spring are made of metallic material.